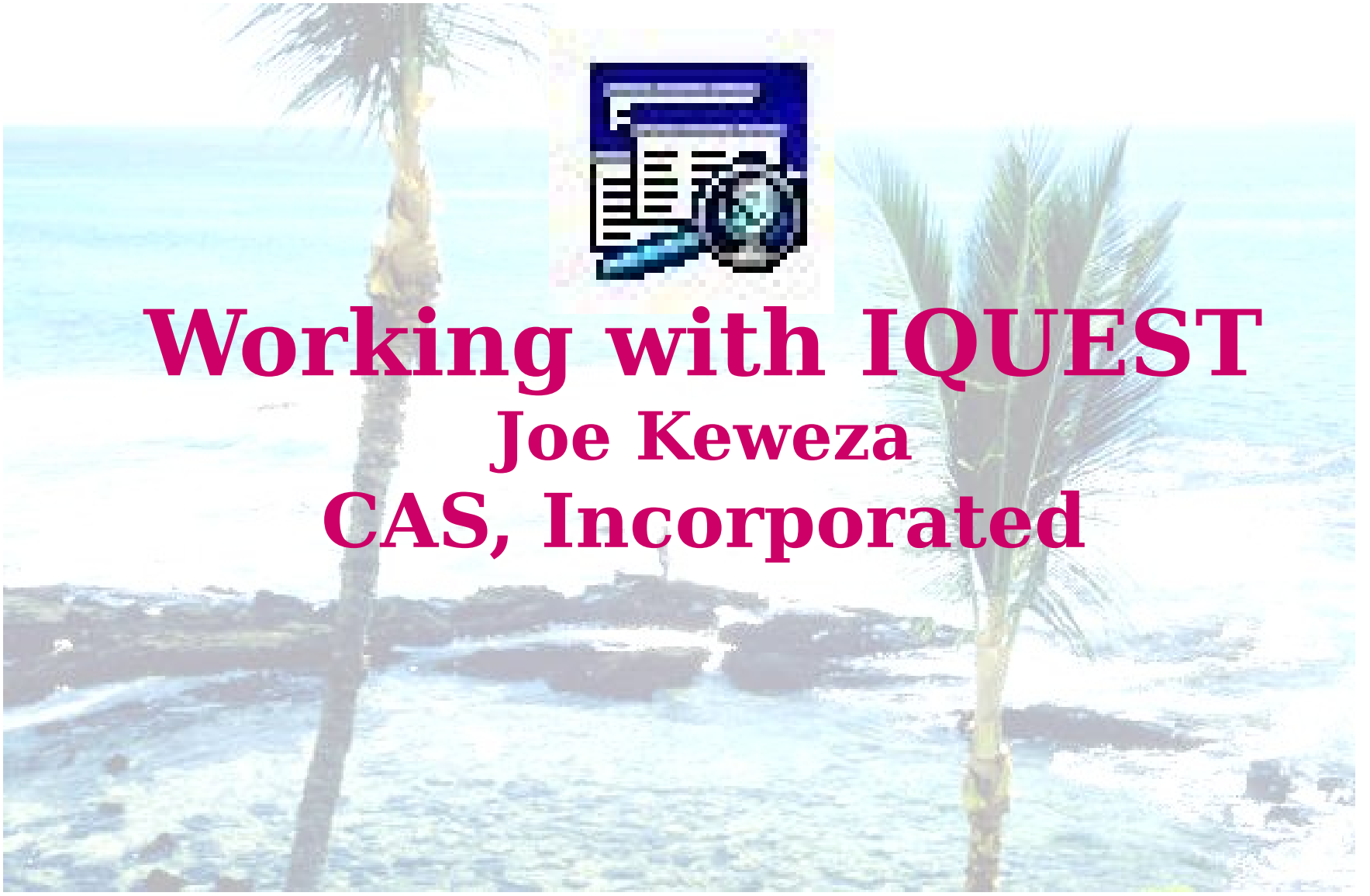


Working with IQUEST

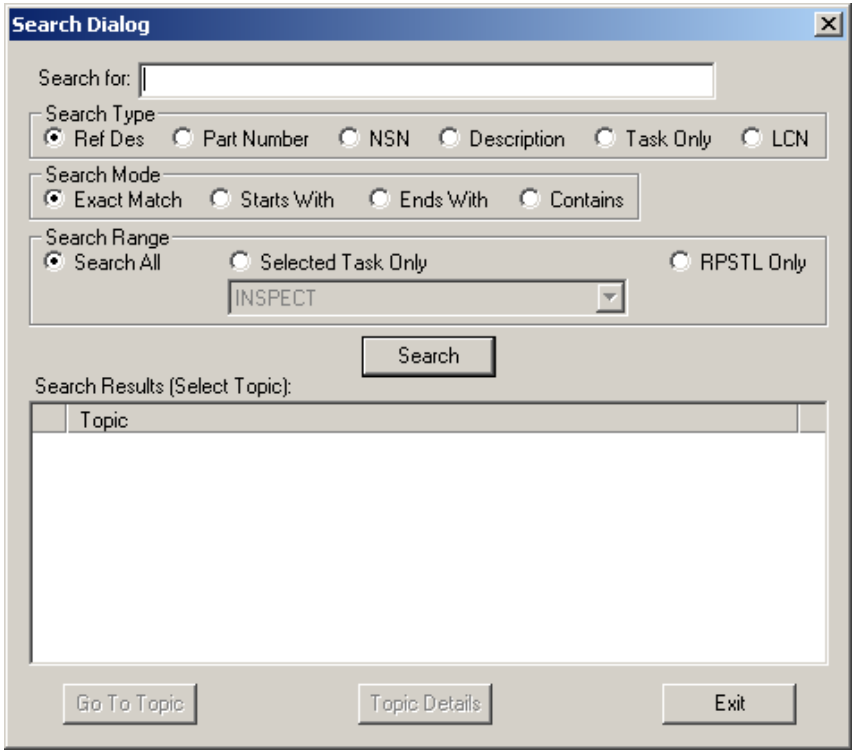
Joe Keweza

CAS, Incorporated

- **Purpose**

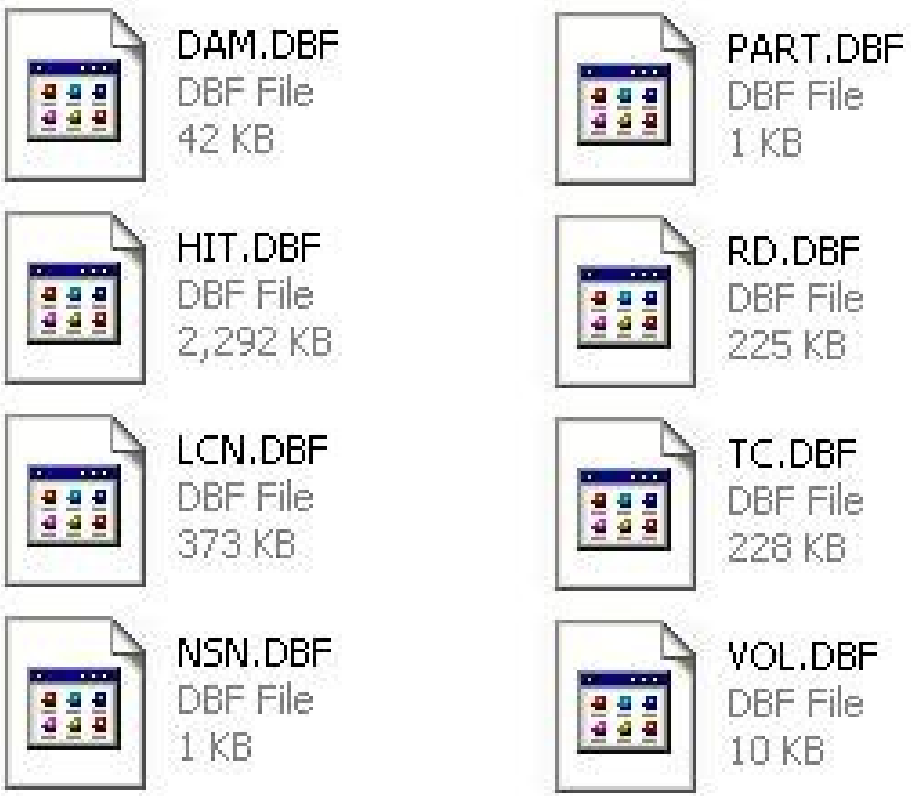
  - Provide IADS User Group attendees information about IQUEST (formerly NMP), what it can do and how to apply it.

IQUEST (IQREADER.EXE) - MMI



- Search Capability
- Links Can Initiate RPSTL, ZOOMVIEW or Other Programs in Addition to Reader
- External References (Display Aided Maintenance, DAM, Support)
- Command Line Interface
- Boot Mode Operation

IQUEST (IQREADER.EXE) DATABASE FILES



<ITEMID..> Tag Definition

- **Content Source:** LSA/LSAR
- **Syntax:** <ITEMID REFDES="text" PARTNO ="text" PLCN ="text" FLCN ="text" PTC ="text" FTC ="text" NOMEN ="text" ENDITEM ="text" DOCNO ="text" CONFIG ="text">
- **Attribute Definition:** (* = LSA Control Number)

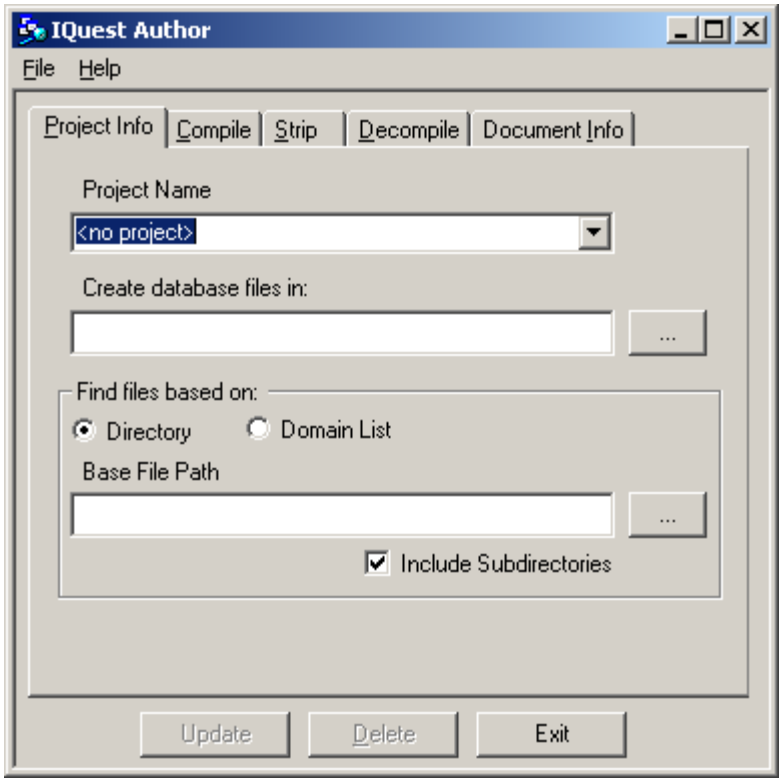
REFDES	Reference Designator
PARTNO	Part number
PLCN	Physical LCN*
FLCN	Functional LCN*
PTC	Physical Task Code
FTC	Functional Task Code
NOMEN	Nomenclature (Component)
ENDITEM	End Item (Radar, Launcher)
DOCNO	Document Number
CONFIG	Configuration

Applying the <ITEMID..> Tag

To Identify a Frame

```
<FRAME LABEL="P1017" TITLE="1-17. BITE DATA
PROCESSOR FUNCTIONAL DESCRIPTION (CDE, FIG. 1-9).">
<PARA0 LABEL="1-17.">
<ITEMID FLCN="ABCDE" FTC="2GHAAAB" NOMEN="BITE Data
Processor" REFDES="2A64" >
<TITLE>
BITE DATA PROCESSOR FUNCTIONAL DESCRIPTION (CDE,
FIG. <HOTSPOT>
1-9<ACTION>
<?EXECUTE PROGRAM='zoomview f509716.pic -t "TM 9-
1430-601-34-6 Fig 1-9 BITE Data Processor (AB-CDE)
Functional Block Diagram"'>
</ACTION></HOTSPOT>)
```

IQuest Author



- Creates and Manages the IQuest Search *Database*
- Three Major Functions: *Compile*, *Strip* and *Decompile*
- Operates Over an Entire Directory Tree

IQUEST Execution Options

- There are two ways in which the IQREADER can be executed from outside the IADS program without using the MMI. Before trying to access an IADS program (READR, RPSTL or ZOOMVIEW), IQREADER will check to see if it is already running. If not, it will start the required program itself. The two ways which IQREADER can be used outside of an IADS document are:

  - 1. IQREADER can be called (shelled) from an application or from the operating system command line either by itself or followed by noun, verb, and modifier arguments to initiate the search without user intervention. The result follows the rules below:

IQREADER	(Execute IQREADER providing just the MMI screen)
IQREADER 2A118 N /R /M	(Execute IQREADER and search exactly for 2A118 fault isolate data)

  - 2. IQREADER can be booted to run constantly as a task while polling for a selected trigger file to appear or change. To work this way, use the following command:

IQREADER /B	(Boot IQREADER and poll for trigger file change)

IQREADER Command Line Search Specification

IQREADER.EXE [/RPSTL]

[Key] [Task] [/Type] [/Mode]

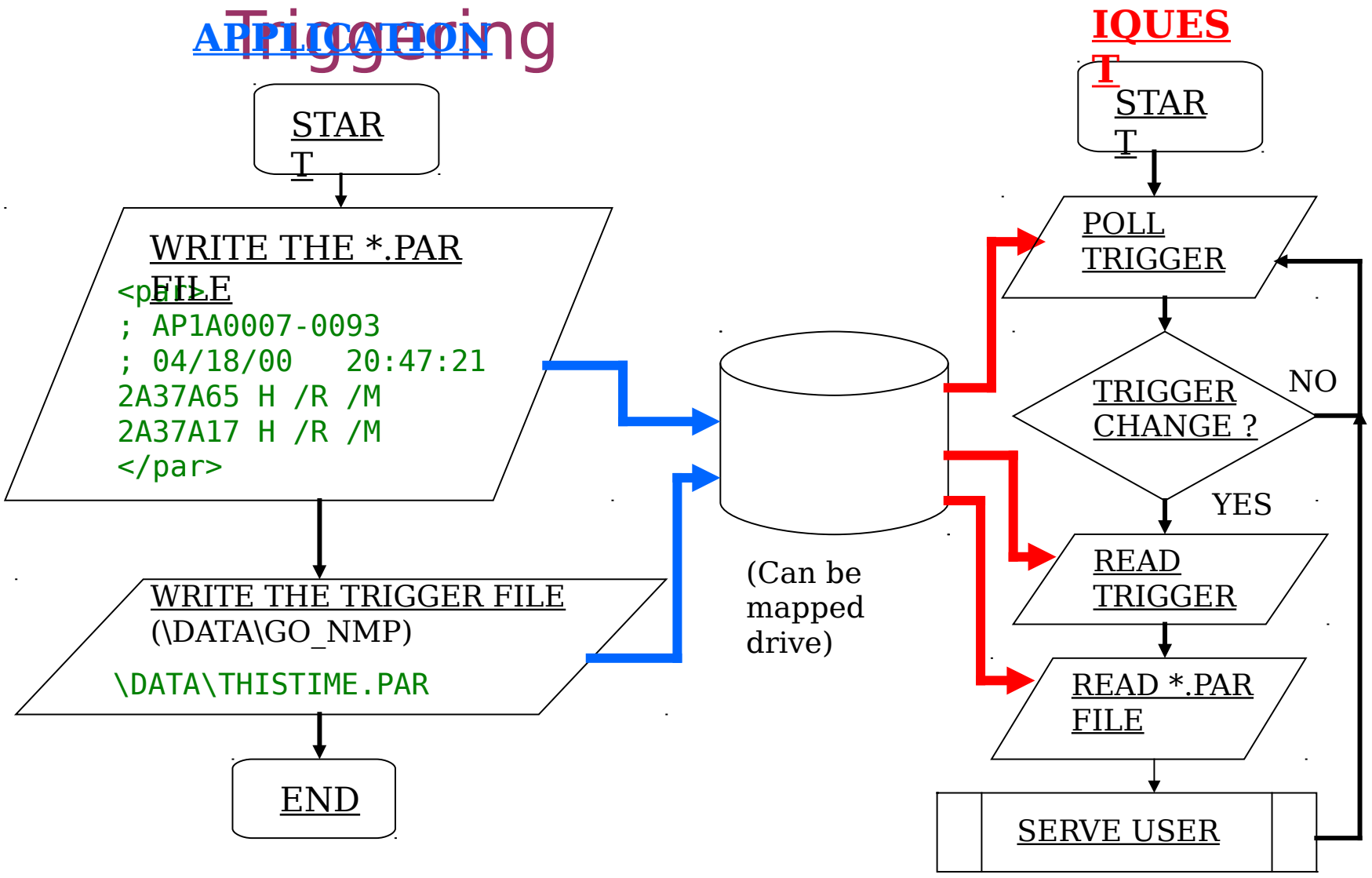
Search Term

/M - Exact Match
/S - Starts With
/W - Ends With
/C - Contains (substring)

/D - Description
/L - LCN
/N - NSN
/P - Part Number
/R - Reference Designator
/T - Task-Only

A = Inspect
B = Test
C = Service
D = Adjust
E = Align
F = Calibrate
G = Install
H = Remove/Replace
I = Introduction
J = Repair
K = Controls and Indicators
L = Rebuild
M = Mission Profile Change
N = Fault Location
O = Operate
P = Lubricate
Q = Clean
R = Remove
S = Disassemble/Assemble
T = Transportation Preparation
U = How to Use
V = Preserve
W = Warnings
X = Cable Interface Diagram
Y = Transport
Z = End of Runway Inspection
1 = Subsystem BRUs
2 = Functional Description/Diagram
3 = Signal Cross Reference
4 = Load/Unload
5 = Set Up
6 = Monitor
7 = Parts Information
8 = Evaluate
9 = Camouflage

Boot Mode IQUEST Triggering



WIN.INI Data

[NMP]

H=C (Hard drive letter of IADS programs and data local location)

R=C (Drive letter of CD Player)

NMP_DATABASE_PATH=C:\PATRIOT\NMP_DATA (Full path to IQUEST database)

MAX_HITS_TO_DISPLAY=250 (Maximum number of database hits (topics) that can be displayed in the list box)

MAX_BRU_ITEMS_TO_DISPLAY=50 (Maximum number of BRU items, or searches, that can be displayed in the BRU list box)

GO_NMP_DRIVE=N (Drive letter where the GO_NMP trigger file will be located, also used as the drive of the PAR file listed in the trigger file)

GO_NMP_FILEPATH=\DATA\GO_NMP (Path and file name of the GO_NMP trigger file)

GO_NMP_TIMER_INTERVAL=100 (Time in milliseconds that IQUEST waits before checking for a (new) GO_NMP trigger file)

Using IQREADER Command Line From a Visual Basic Application

```
strRPSTL = "C:\IADS\PROGRAMS\IQREADER.EXE “

strRPSTL = strRPSTL &
lstREFDES.List(lstREFDES.ListIndex)

strRPSTL = strRPSTL & " /R /M /RPSTL“

Shell strRPSTL, vbNormalFocus
```

Contact Information

Joseph T. Keweza

Manager, Automated Logistics Department (ALD)

CAS, Incorporated

P.O. Box 11190

Huntsville, AL 35814

Phone: (256) 895-8965

FAX: (256) 217-8011

Email: Joe.Keweza@cas-inc.com